Please type a plus sign (+) inside this box → +
Under the Paperwork Reduction Act of 1995, no persons a
UTILITY
PATENT APPLICATION

PTO/SE/05 (2/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Almqvist

S

Attorney Docket No. 00-148 First Inventor or Application Identifier Christer

TRANSMITTAL	Title	AN	ARRAN	GEME	NI TN	ACOUSTI	C HEAD	SE
(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))	Expre	ss Mai	il Label No.	EI	L3943	39147US		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents			ADDRES	S TO:	Box Patent	Commissioner for Application n. DC 20231	Patents	
1. X * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. X Specification [Total Pages 6 (preferred arrangement set forth below)]1	6. 7.		and/or A	umino Acid cessary)	rogram <i>(Appendi</i> d Sequence Subi	mission	01970

1. CSub	mit an original and a duplicate for fee processing)	- L	Judostida and/or Amina Asid St	equence Submission
2 X Spe	cification [Total Pages 6]		lucleotide and/or Amino Acid Se if applicable, all necessary)	equence Submission
	ferred arrangement set forth below)		a. Computer Readable	e Copy
	oss References to Related Applications		b. Paper Copy (identic	cal to computer copy)
	atement Regarding Fed sponsored R & D		<u></u>	0
- Re	eference to Microfiche Appendix		c. Statement verifying	identity of above copies
- Ba	ackground of the Invention		ACCOMPANYING APPL	ICATION PARTS
	ief Summary of the Invention	8.	X Assignment Papers (cover	sheet & document(s))
	ief Description of the Drawings (if filed)	اً و	37 C.F.R.§3.73(b) Stateme	ent Paris of Attances
l .	etailed Description] " <u>L</u>	(when there is an assigned	
Ì	aim(s)	10.	English Translation Docum	• • •
	ostract of the Disclosure wing(s) (35 U.S.C. 113) [Total Sheets 3]	11.	Information Disclosure Statement (IDS)/PTO-144	Copies of IDS Citations
4. Oath or D	eclaration [Total Pages 5]	12.	X Preliminary Amendment	
а.	X Newly executed (original or copy)	13.	X Return Receipt Postcard (
ь. 🗀	Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed)		Small Entity State	ment filed in prior application,
l	[Note Box 5 below]	114.L		s still proper and desired
l	i. DELETION OF INVENTOR(S) Signed statement attached deleting	15.T	Certified Copy of Priority D	
1	inventor(s) named in the prior application,		(if foreign priority is claime	d)
<u> </u>	see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). poration By Reference (useable if Box 4b is checked)	16.	Other:	
The e	entire disclosure of the prior application, from which a	<u> </u>		COUNTY OF THE PARTY OF THE PART
CODY	of the eath or declaration is supplied under Box 4b, is	, II 	TE FOR ITEMS 1 & 14: IN ORDER TO B S, A SMALL ENTITY STATEMENT IS RE	OUIRED DT C.F.R. \$ 1.27), EXCEPT
applic	idered to be part of the disclosure of the accompanying cation and is hereby incorporated by reference therein.		NE FILED IN A PRIOR APPLICATION IS	
17. If a CON	NTINUING APPLICATION, check appropriate box, and sup	oply the	requisite Information below and in a	preliminary amendment
IXI c∞	ontinuation Divisional Continuation-in-part (CIF	P)	of prior application No: PCT	<u>JSE98/01459</u>
Prior ap	plication information: Examiner		Group / Art Unit:	
	18. CORRESPONDEN	VCE A	DDRESS	
		*	Train that is	
☐ Custom	er Number or Bar Code Label			espondence address below
	(Insert Customer No. or Attack	as Darc	vuo level (iole) •	
Name	Gregory P. LaPointe			
<u> </u>	Bachman & LaPointe, P.C.			
Address	900 Chapel Street			
				0.6.5.1.0
City	New Haven State	СТ	Zip Code	06510
Country	United States Telephone (203)777-6628 Fax	(203)789-0582
Name (P	Gregory P/ Latinte		Registration No. (Attorney/Agent)	28,395

Date 02-07-00 Signature Burden Hour Statement: This form is jestimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

> I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 February 7, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Christer Almqvist Docket No.: 00-148

Serial No.: Examiner :

Filed : Art Unit :

PCT No. : PCT/SE98/01459

IFD : August 12, 1998

For : AN ARRANGEMENT IN ACOUSTIC HEADSETS

Suite 1201

900 Chapel Street

New Haven, CT 06510-2802

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents & Trademarks United States Patent & Trademark Office Washington, D.C. 20231

Dear Sir:

In the above-identified application for United States patent, please amend as follows.

IN THE SPECIFICATION

Please amend the specification as follows.

Page 1 after the title and before "TECHNICAL FIELD" insert the following:

-- CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of co-pending International Application No. PCT/SE98/01459 filed August 12, 1998 which designated the United States.--

IN THE ABSTRACT

Please add the following Abstract as a separate page after the claims:

--ABSTRACT

The disclosure relates to an arrangement in hearing protection, in the form of an acoustic headset, comprising a first auditory cup (10), a second auditory cup (11) and a stirrup or headband (12) interconnecting the auditory cups (10, 11), a microphone (13) being provided for receiving ambient sound and an electronic control unit (15) actuable by means of a button set (14) being provided for transmitting sound from the microphone (13) and a radio unit (16) by the intermediary of loudspeakers (17) in the auditory cups (10, 11). The button set (14) comprises a plurality of associated buttons (18, 18', 19, 19', 20, 20', 21, 22) arranged in groups, and each group of buttons being disposed, for actuation by the wearer's fingers, in a separate depression or recess (23, 24, 25, 26) in the first auditory cup (10).--

REMARKS

The specification has been amended so as to cross-reference related International Application No. PCT/SE98/01459 and an Abstract has been added to conform with U.S. Practice. An early action on the merits is respectfully requested.

If any fees are required in connection with this case, it is respectfully requested that they be charged to Deposit Account No. 02-0184.

I hereby certify that this correspondence is being deposited with the Unino States Postal Service as Express Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 22235

February 7, 2000

(Vate of Deposit) Piscitelli

Date of Signature February 7, 2000

Express Mail No. EL394339147US

Respectfully submitted,

Christer Almqvist

Ву Gregory P

Attorney for Applicant

Telephone - (203) 777-6628

AN ARRANGEMENT IN ACOUSTIC HEADSETS

TECHNICAL FIELD

The present invention relates to an arrangement in hearing protection in the form of an acoustic headset, comprising a first auditory cup, a second auditory cup and a headband interconnecting the auditory cups, a microphone being provided for receiving ambient sound, and an electronic control unit actuable by a button set being provided for transmitting sound from the microphone and a radio unit by the intermediary of loudspeakers in the auditory cups.

BACKGROUND ART

10

15

20

25

30

35

Hearing protection in the form of two cups interconnected by a headband or stirrup or the like have long been employed. As electronic equipment has assumed steadily smaller dimensions, various electronic functions have also been integrated into the hearing protection. For example, it is a common occurrence that such hearing protection includes a radio, both some form of message radio and a broadcasting radio, for example on the FM wavelength. The radio sound is transmitted by the intermediary of loudspeakers integrated in the hearing protection headset.

Hearing protection systems have also been developed which include electronic amplification of the ambient sound. Reception of ambient sound is effected by means of microphones and the sound may be amplified or damped, respectively, by electronic means before being transmitted to the wearer of the headset via loudspeakers.

In a working environment at a steadily increasing tempo, the demands on protective equipment and the like have been raised. For example, it is important that hearing protection be employed in the correct manner, such that safety is not impaired. However, improvements to safety must not be put into effect at the expense of user friendliness.

OUTLINE OF THE INVENTION

One object of the present invention is to realise hearing protection of the above-described type, in which user friendliness has been developed at the same time as safety has been improved. This object is

2

attained in that the present invention has been given the characterizing features as set forth in appended Claim 1.

Further advantages and characterizing features of the present invention will be apparent from the appended description, Drawings and appended subclaims.

BRIEF DESCRIPTION OF THE ACCOMPANYING DRAWINGS

The present invention will now be described in greater detail hereinbelow, with the aid of various embodiments and with reference to the accompanying Drawings, in which:

Fig 1 is a perspective view of one embodiment of an arrangement according to the present invention, with two auditory cups;

Fig. 2 is a block diagram illustration functional blocks in an electronic unit associated with the arrangement according to Fig. 1;

Fig. 3 is a side elevation of a first auditory cup in the arrangement of Fig. 1; and

Fig. 4 is a side elevation of a second auditory cup in the arrangement of Fig. 1.

20 DESCRIPTION OF PREFERRED EMBODIMENTS

5

10

25

30

35

In the embodiment according to Fig. 1, a first auditory cup 10 is connected to a second auditory cup 11 by means of a stirrup or headband 12 in a conventional manner. The first auditory cup 10 includes a button set 14 with a plurality of buttons 18, 18'; 19, 19'; 20, 20'; 21; 22 arranged in groups with associated buttons. The various buttons are connected to a control unit 15 (see Fig. 2). Each group of buttons is disposed in depressions 23, 24, 25, 26 in an arched outer side of the first auditory cup 10. Fig. 1 also shows an antenna 27 which is employed for receiving radio signals. A more detailed description of the function of the various buttons is given below with reference to Fig. 2.

The auditory cups 10, 11 are provided with cushions 28 which are intended to abut around the ears of the wearer of the headset. The cushions 28 contribute in the capability of the auditory cups substantially entirely to damp the immediate ambient sound. Within the auditory cups 10, 11, loudspeaker elements 17 are provided so that sound which is

3

transmitted electronically according to the following description may be perceived by the wearer.

5

10

15

20

25

30

35

As will be apparent from Fig. 2, the button set 14 and the buttons included therein are connected to the control unit 15. Using a first group of buttons 18, 18', the wearer of the headset arrangement according to the present invention can influence the balance of the output signal between different sound sources. A first sound source includes a microphone 13 which is physically disposed on one or both of the auditory cups 10, 11 and which, by the intermediary of a first amplifier 29, is electrically connected to the control unit 15. A second sound source consists of a radio unit 16 with an antenna 27. The radio unit 16 is electrically connected to the control unit 15. After adjustment of the balance using the first group of buttons 18, 18', the output signal is led from the control unit 15 by the intermediary of a second amplifier 30 to loudspeakers 17 in the auditory cups. The sound from the radio unit 16 and the microphone 13 may also be shut off using a first separate button 21. The control unit 15 is designed such that a brief depression of the first separate button 21 shuts off the radio unit 16. A more lengthy depression of the first separate button 21 shuts off the sound from remaining sound sources as well. When the equipment is activated, a first depression of the button 21 entails that the ambient sound from the microphone 13 is turned on. A second depression of the button will result in the radio sound also being turned on.

For adjusting the sound volume in the loudspeakers 17, a second group of buttons 19, 19' is provided in the button set 14. The sound volume can also be adjusted independently of the balance between the different sound sources. The radio unit 16 is adjustable to different frequencies. In one particular embodiment, the radio unit 16 includes receivers for both conventional broadcast radio and company-linked radio, for example some form of communication radio. Adjustment of the radio unit 16 is put into effect with the aid of a third group of buttons 20, 20' for channel searching, and a second separate button 22 for storing channels.

Fig. 3 shows the outside of the first auditory cup 10, with the button set 14. The button set 14 is disposed in an arched portion in which a first depression, or recess, 23 is provided for the first group of buttons 18, 18'. A similar, second depression or recess 24 is provided for the

4

second group of buttons 19, 19', and a similar third depression or recess 25 for the third group of buttons 20, 20'. The different buttons in the button set 14 are provided with relief symbols which are unique to each respective button and function. The symbols may be recessed as a groove or project in the form of ridges or the like.

5

10

15

20

25

30

The buttons in the button set 14, above all the button groups, are disposed along circular lines 31 or the like, so that the fingers of one hand of the wearer laid over the button set fall over several of the buttons. As a result, for example the balance between the sound sources may conveniently be adjusted in the above-described manner using, for example, the index finger and the middle finger. The wearer of the headset will readily recognise the different groups of buttons, since the buttons are disposed pairwise in separate depressions or recesses and are provided with the symbols which can be felt by the wearer's fingers. The second separate button 22 is disposed in a fourth depression or recess 26. As a result, this will also be easy to identify and distinguish from the first separate button 21 which, instead, is slightly raised.

Fig. 3 shows the first auditory cup 10 which, in a normal embodiment, constitutes the right-hand auditory cup. The various buttons will, as a result, be easily accessible to the wearer's right hand. A microphone 13 is provided forwardly on the auditory cup 10, and one preferably in the same manner on the second auditory cup 11. This placing of the microphones makes for the reception of sound, above all from in front of the wearer.

Fig. 4 shows the second auditory cup 11 which, in accordance with the foregoing, normally constitutes the left-hand auditory cup. A microphone 13 is also provided on this auditory cup in the same manner as described above. The space which, in the first auditory cup 10, is employed for the button set, and preferably for the different electronic units, is here utilised for a battery unit, of which a lid 32 is visible in Fig. 4.

The present invention should not be considered as restricted to that described above and shown on the Drawings, many modifications being conceivable without departing from the scope of the appended Claims.

WHAT IS CLAIMED IS:

1. An arrangement in hearing protection in the form of an acoustic headset, comprising a first auditory cup (10), a second auditory cup (11) and a stirrup or headband (12) interconnecting the auditory cups (10, 11), a microphone (13) being provided for receiving ambient sound, and an electronic control unit (15) actuable by a button set (14) being provided for transmitting sound from the microphone (13) and a radio unit (16) by the intermediary of loudspeakers (17) in the auditory cups (10, 11), characterized in that the button set (14) comprises a plurality of associated buttons (18, 18'; 19, 19'; 20, 20'; 21; 22) arranged in groups; and that each group of buttons, for activation by means of the fingers of the wearer, is disposed in a separate depression or recess (23, 24, 25, 26) in the first auditory cup (10).

15

20

25

30

5

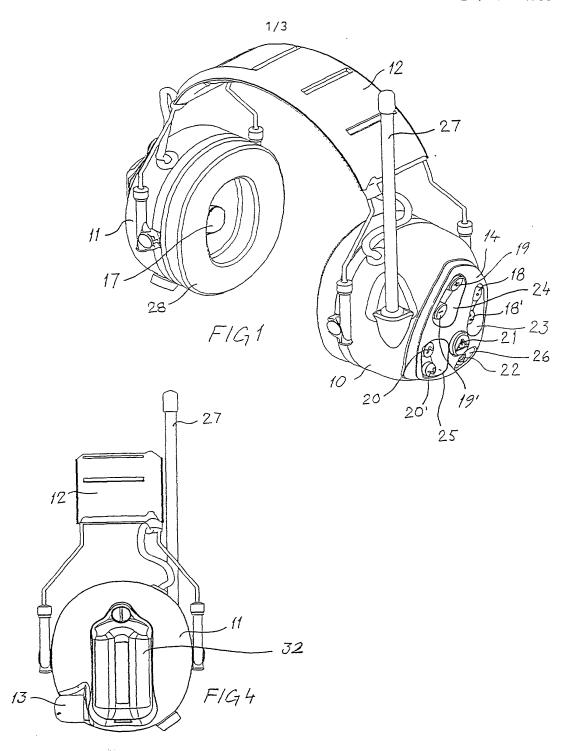
10

- 2. The arrangement as claimed in Claim 1, wherein a first group of buttons (18, 18') is connected to the control unit (15) for adjusting the volume relationship between sound from the radio unit (16) and sound from the microphone (13), and wherein the control unit (15) is designed to permit limited reduction of the sound from the microphone (13) to a lowest level audible to the wearer.
- 3. The arrangement as claimed in Claim 1, wherein the buttons (18, 18'; 19, 19'; 20, 20'; 21; 22) are provided with symbols in relief indicating the function of the buttons.
- 4. The arrangement as claimed in Claim 1, wherein the depressions or recesses (23, 24, 25, 26) are disposed in an arched surface on the first auditory cup (10), and wherein at least the depressions or recesses displaying a plurality of buttons, together with the buttons disposed therein, are disposed along a curved path adapted to the length of the wearer's fingers.
- 5. The arrangement as claimed in Claim 2, wherein a first separate button (21) is connected to the control unit (15) for shutting off sound from the radio unit (16) and the microphone (13), respectively, and

wherein the control unit (15) is operative, on a brief depression of the first separate button (21), to shut off sound from the radio unit (16) and, on a more lengthy depression, to shut off sound from both the radio unit (16) and the microphone (13).

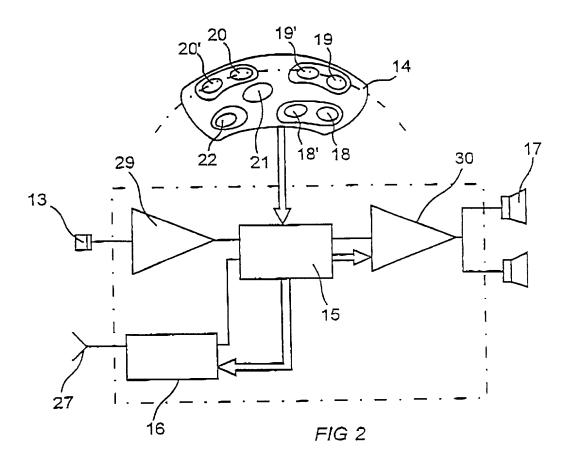
5

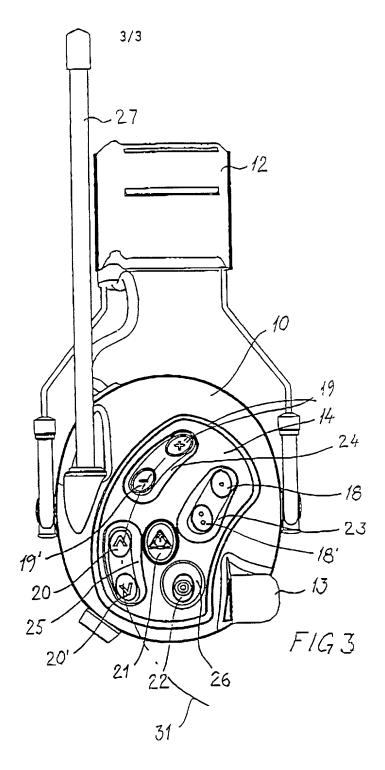




AMENDED SHEET

2/3





(Rel.18-11/93 Pub.605) FORM I-1 1-5
Attomey's Docket No. 00-148
COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION OR CIP)
As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
This declaration is of the following type: (check one applicable item below) original design supplemental NOTE: If the declaration is for an international Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items. national stage of PCT NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP. divisional continuation continuation in-part (CIP) INVENTORSHIP IDENTIFICATION WARNING: If the Inventors are each not the Inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted. My residence, post office address and citizenship are as stated below next to my name.
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:
TITLE OF INVENTION
An arrangement in acoustic headsets
specification identification
the specification of which: (complete (a), (b) or (c)) (a) \(\text{\tint{\text{\tinit}\text{\texictex{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\texi
or Express Mail No., as Serial No. not yet known and was amended on (if applicable). NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
(c) Was described and claimed in PCT International Application No. PCT/SE98/01459 filed on August 12, 1998 and as amended under PCT Article 19 on August 23, 1999 (if any). (Declaration and Power of Attorney [1-1] page 1 of 5

:

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose Information

which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and
 - In compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) no such applications have been filed.
- (e) 🖾 such applications have been filed as follows.

NOTE: Where Item (c) is entered above and the international Application which designated the U.S. Itself claimed priority check Item (e), enter the details below and make the priority claim.

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
Sweden	9702947-4	15 August 1997	☑ YES NO □
			☐ YES NO ☐
			☐ YES NO □
			☐ YES NO ☐
			☐ YES NO ☐

(Declaration and Power of Attorney [1-1]—page 2 of 5)

(P=1.55-11/93 Pub.605)	FORM 1-1	1

Ful.58-11/93 Pub.605)	FORM 1-1	1-7

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under SS U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Robert H. Bachman (19,374); Gregory P. LaPointe (28,395); Barry L. Kelmachter (29,999); and George A. Coury (34,309) all members of the firm Bachman & LaPointe, P.C.

(check the following item, if applicable)

Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

Gregory P. LaPointe Bachman & LaPointe, P.C. 900 Chapel Street, Suite 1201 New Haven, CT 06510 DIRECT TELEPHONE CALLS TO: (Name and telephone number) Gregory P. LaPointe (203) 777-6628

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent Issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other

PATENTBYRAN WALLENGREN

gocuments.		
ull name of sole or firs	it Inventor	/ Almovist
Christer (GIVEN NAME)	(MIDDLE/INTIAL/OF NAME)	FAMILY (OR LAST NAME)
ventor's signature		<u> </u>
- 50-000 Tes	Country of Citizenship	Sweden
Brunnsgata	an 15B. S-568 30 Skillin	igaryd, Sweden
ost Office Address_S	ame as above	
OSI Office Address _	- · · · · · · · · · · · · · · · · · · ·	
full name of second joi	nt Inventor, if any	
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
nventor's signature		
	Country of Citizenship	
łesidence	-	
Post Office Address		
full name of third joint	inventor, if any	
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
nventor's signature		
Oate	Country of Citizenship	
Residence		
Post Office Address		
		.,
Full name of fourth jo	int Inventor, if any	
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
nventor's signature		
Date	Country of Citizenship	
	,	
	(Declaration and Power o	of Attorney [1-1]—page 4 of
(Nal.58-11/93 Pub.605)	FORM 1-1	
/am/20-14125 Entritti		

(Rel.58—11/93 Pub.	603) FORM 1-1 1-5
CHECK	PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION
	Signature for third and subsequent joint inventors. Number of pages added
	* * *
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	* * *
	Signature for inventor who refuses to sign or cannot be reached by perso authorized under 37 CFR 1.47. Number of pages added
	* * *
	Added page for signature by one joint inventor on behalf of deceased inventor(where legal representative cannot be appointed in time (37 CFR 1.47).
	• • •
×	Added pages to combined declaration and power of attorney for divisional continuation, or continuation-in-part (C-I-P) application. XX Number of pages added
	Authorization of attorney(s) to accept and follow instructions from representative
	Uf no further pages form a part of this Declaration, then end this Declaration wi

(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:)

This declaration ends with this page.

35 USC 119 PRIORITY CLAIM, IF ANY, FOR ABOVE LISTED U.S./PCT APPLICATIONS

ABOVE APPLICATION NO.	TION DETAILS OF FOREIGN APPLICATION FROM WHICH PRIOR CLAIMED UNDER 35 USC 119			
	Country Application No.	Date of filing (day, month, year)	Date of issue (day, month, year)	
1. 9702947-4	Sweden	15/08/97		
2.				
3.	·			
4.				
5.				
6.				

(Added Page to Combined Declaration and Power of Attorney for Divisional, Continuation or CIP Application [1-2.1]—page 2 of 2)

(Rel.58-11/93 Pub.605) FORM 1-2.1 1-22

ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION

(complete this part only if this is a divisional, continuation or CIP application)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application, namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

1. 0 /	PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:						
1. 0 /	Status (Check one)	U.S. APPLICATIONS Status (Check one)					
3.0 /	E Patented Pending Abandoned	s. FILING D	CATIONS U.S.	U.S. APPLIC			
3.0 /				1.0 /			
				2.0 /			
1		· · · · · · · · · · · · · · · · · · ·		3.0 /			
PCT APPLICATIONS DESIGNATING THE U.S.	IE U.S.	SIGNATING	ICATIONS DESIG	PCT APPL			
PCT APPLI- CATION NO. DATE U.S. SERIAL NOS. ASSIGNED (if any)		NOS. A					
PCT/SE98/ 4. 01459 August 12, 1998 X	X	998	August 12, 1998	PCT/SE98/ 4. 01459			
5				5			
6			·	6			

(Added Page to Combined Declaration and Power of Attorney for Divisional, Continuation or CIP Application [1-2.1]—page 1 of 2)